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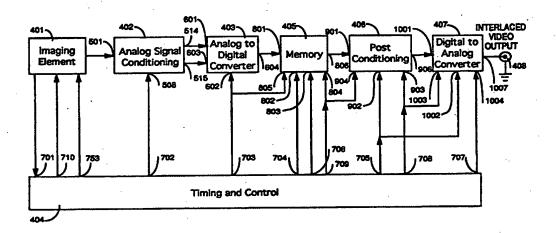
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(54) Title: APPARATUS AND METHOD FOR CREATING FILM-LIKE VIDEO



#### (57) Abstract

A video camera for real time simulation of the visual appearance of motion picture film that has been transferred or converted to a video signal comprising analog signal input conditioning circuitry (402), an analog to digital converter (403), timing and control circuitry (404), an address multiplexer and memory control (405), a digital adder (406), and a digital to analog converter (407). A method for creating the look of broadcast motion picture film comprising the steps of increasing the scan rate of image sensors to output non-interlaced video images, converting the video images from analog to digital form, writing the images to memory, adding a selective adjustable amount of two dimensional, electronic artifacts to simulate film grain, reading the video images from memory to a video output data bus at predetermined rates, and converting the video images from digital to analog form for recording or broadcast.

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# REVISED VERSION

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PCT/US95/01102

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|---|--|--|---|--|--|--|--|--|
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|   | DS SEARCHED  |  |   |  |  |  |  |  |
| Minimum de  | ocumentation searched (classification system followed  | d by classification symbols)   |   |  |  |  |  |  |
| U.S. : 348/578, 446, 239, 448, 321, 322   |  |  |   |  |  |  |  |  |
| Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched     |  |  |   |  |  |  |  |  |
| Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  APS |  |  |   |  |  |  |  |  |
| C. DOCUMENTS CONSIDERED TO BE RELEVANT  |  |  |   |  |  |  |  |  |
| Category*   | Citation of document, with indication, where ap  | propriate, of the relevant passages  | Relevant to claim No.   |  |  |  |  |  |
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| Furth   | er documents are listed in the continuation of Box C   | . See patent family anne   | х.  |  |  |  |  |  |
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|   | priority date claimed actual completion of the international search  | Date of mailing of the internations  | l search report   |  |  |  |  |  |
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